

A process for storing audio signals, in particular speech messages, comprises the following process steps: (a) digitalization of incoming audio signals; (b) storage of the digitalized audio signals in a memory in areas with a first memory size and bit rate; (c) monitoring of the occupancy of the memory; (d) determination of the current occupancy rate, in particular full occupancy of the memory; (e) reduction of the memory size and bit rate of the already stored audio signals to a second, smaller value as soon as a predetermined occupancy rate of the memory is reached and (f) occupation of the memory space released in the memory at least in part by newly incoming audio signals.